

II. CLAIMS

1. (Currently Amended) A mobile station, configured for use as a software radio having the capability for universal adaptive use within globally dispersed cellular communication networks, comprising:

a transceiver for receiving data over a common system parameter channel;

a first processor for compiling and storing network characteristic data relating to said globally dispersed cellular communication networks, received over said common system parameter channel, relating to ~~the~~ operational capabilities of said cellular networks~~network~~;

a second processor for compiling and storing subscriber identification data relating to ~~the~~ operational capabilities of said mobile station;

a third processor for combining said network characteristic data and said subscriber identification data into an addressable matrix of operational capabilities; wherein said third processor further generates an operational configuration based on said matrix and predetermined criteria.

2. (Original) A mobile station, configured for use as a software radio having the capability for universal adaptive use within globally dispersed cellular communication networks, according to claim 1, wherein said mobile station further comprises a main microprocessor controller and said first, second, and third

processors are modules within said main microprocessor controller.

3. (Original) A mobile station, configured for use as a software radio having the capability for universal adaptive use within globally dispersed cellular communication networks, according to claim 1, wherein a portion of said operational characteristics of said mobile station are programmed into said second processor at the time of manufacture.

4. (Currently Amended) A mobile station, configured for use as a software radio having the capability for universal adaptive use within globally dispersed cellular communication networks, according to claim 1, wherein a portion of said operational ~~characteristics~~ capabilities of said mobile station are programmed into said second processor at the time of activation with a home cellular service.

5. (Currently Amended) A mobile station, configured for use as software radio having the capability for universal adaptive use within globally dispersed cellular communication networks, according to claim 3, wherein said second processor further comprises a read only memory unit for storing said operational capabilities ~~characteristics~~ of the mobile station entered at the time of manufacture.

6. (Currently Amended) A mobile station, configured for use as software radio having the capability for universal adaptive use within globally dispersed cellular communication networks, according to claim 4, wherein said second processor further comprises a programmable read only memory unit for storing said

operational capabilities characteristics of the mobile station entered at the time of activation.

7. (Original) A mobile station, configured for use as software radio having the capability for universal adaptive use within globally dispersed cellular communication networks, according to claim 1, wherein said first processor comprises an erasable, programmable read only memory.

8. (Currently Amended) A method for use in a mobile station, configured for use as a software radio having the capability for universal adaptive use within globally dispersed cellular communication networks, said method comprising the steps of:

receiving data over a common system parameter channel;

compiling and storing network characteristic data relating to said globally dispersed cellular communication networks, received over said common system parameter channel, relating to the operational capabilities of said cellular networks~~network~~;

compiling and storing subscriber identification data relating to the operational capabilities of said mobile station;

combining said network characteristic data and said subscriber identification data into an addressable matrix of operational capabilities;

generating an operational configuration based on said matrix and predetermined criteria.

9. (New) A method for use in a mobile station, according to claim 9, wherein the predetermined criteria comprise at least one of cost, speed, and volume of data.

10. (New) A method for use in a mobile station, according to claim 1, wherein the predetermined criteria comprise at least one of cost, speed, and volume of data.